INDEX TO VOLUME 71

AUTHORS INDEX*

*January, pp. 1-236; February, pp. 237-468; March, pp. 469-700; April, pp. 701-932; May, pp. 933-1164; June, pp. 1165-1396.

D

E

F

G

M

N

O

T

U

V

W

SUBJECT INDEX*

*January, pp. 1-236; February, pp. 237-468; March, pp. 469-700; April, pp. 701-932; May, pp. 933-1164; June, pp. 1165-1396.

D

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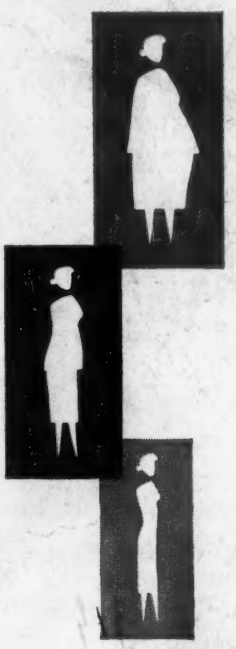
In all your pregnant patients

1. Diet is important

2. . . . *and so is adequate supplementation*

for prenatal vitamin-mineral protection, choose between



new, phosphorus-free

Natalins-PF

Mead phosphorus-free prenatal vitamin-mineral capsules

Contain calcium . . . no phosphorus

Natalins®

Mead prenatal vitamin-mineral capules

Contain both calcium and phosphorus

Both alike in patient acceptance

- **SMALL SIZE**. . . easy to swallow
- **SMALL DOSAGE**. . . just 1 capsule t.i.d.
- **ECONOMICAL, TOO!**

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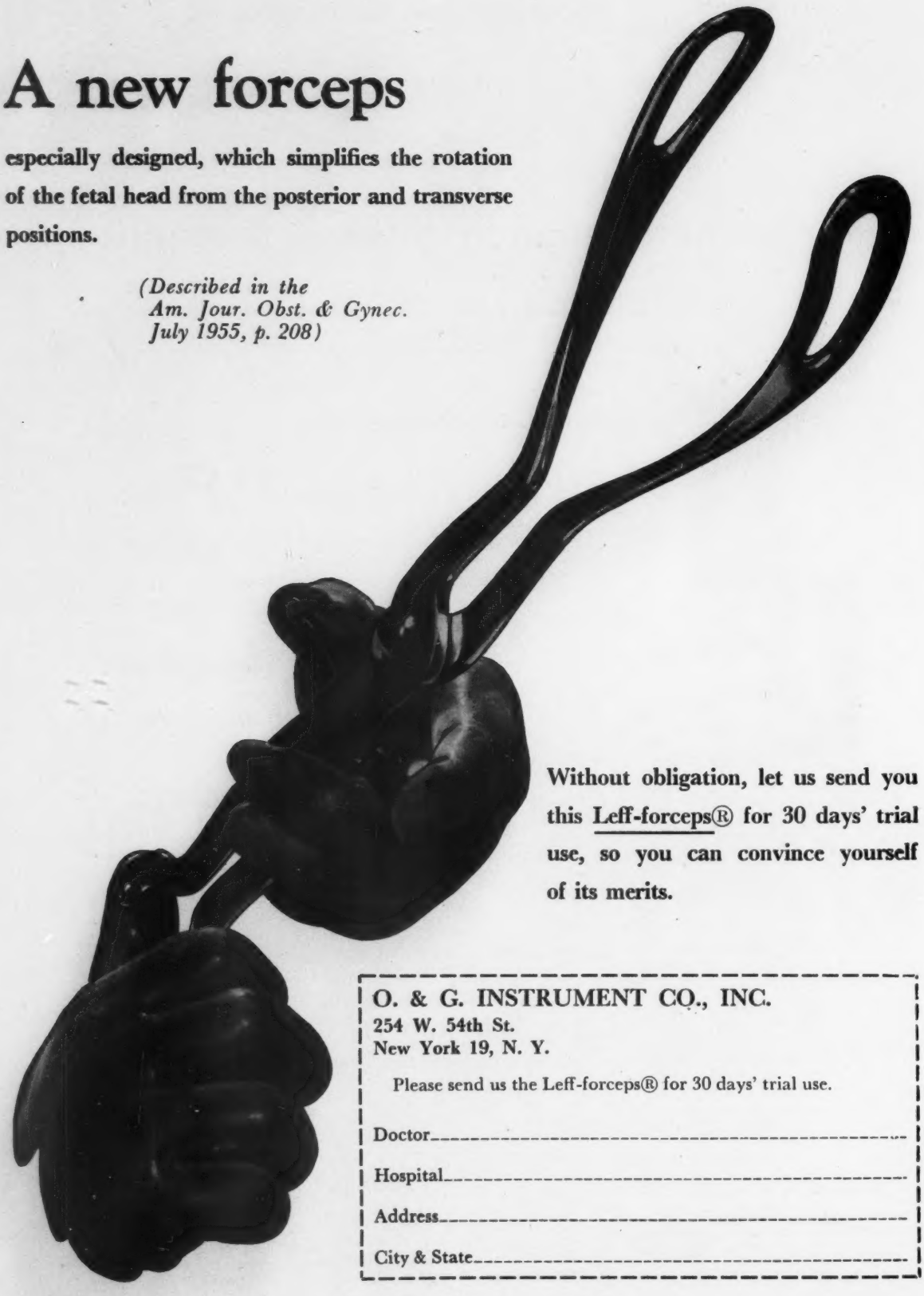
MEAD JOHNSON & COMPANY • EVANSVILLE 21, INDIANA

A new forceps

especially designed, which simplifies the rotation of the fetal head from the posterior and transverse positions.

(Described in the Am. Jour. Obst. & Gynec. July 1955, p. 208)



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New York 19, N. Y.

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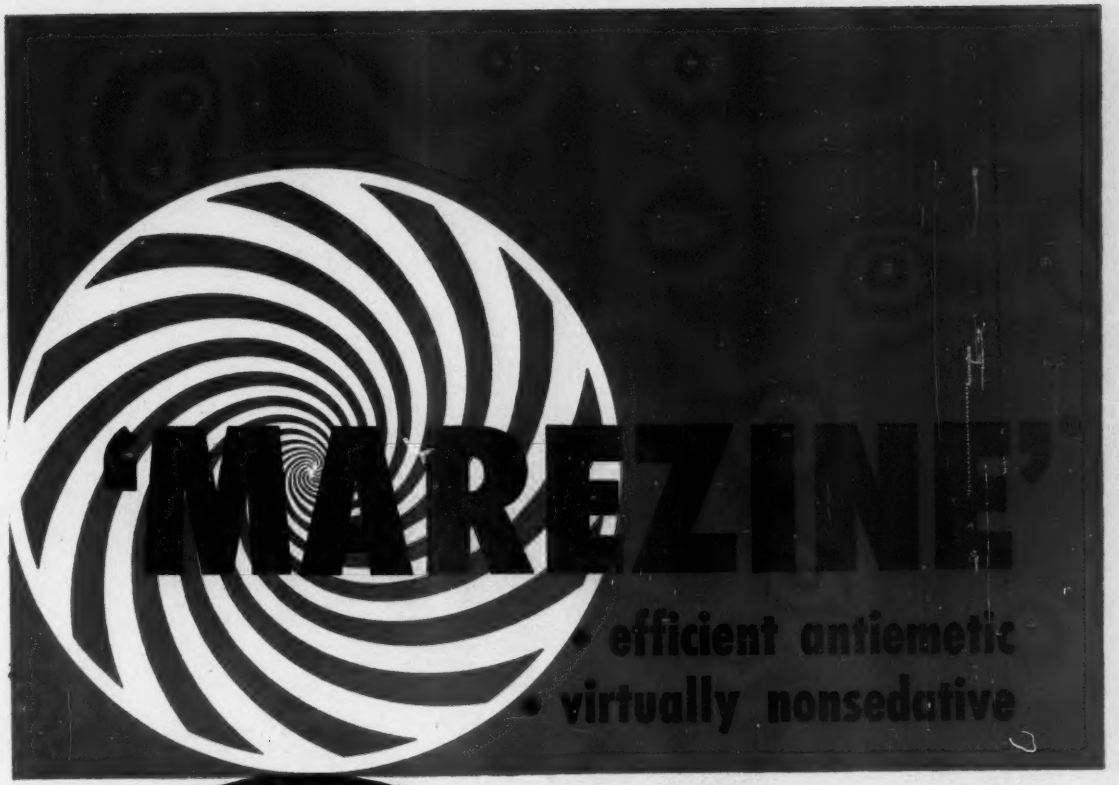

'MAREZINE' acts promptly to prevent or relieve . . .

MOTION SICKNESS

NAUSEA AND VOMITING OF PREGNANCY

VERTIGO

RADIATION SICKNESS

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'MAREZINE' *brand Cyclizine available as:*

TABLETS*:	50 mg. Scored	Bottles of 100 and 1,000
SUPPOSITORIES*:	100 mg.	Boxes of 12
INJECTION†:	50 mg. in 1 cc.	Boxes of 12 and 100

**Cyclizine Hydrochloride*
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Full information will be sent on request.

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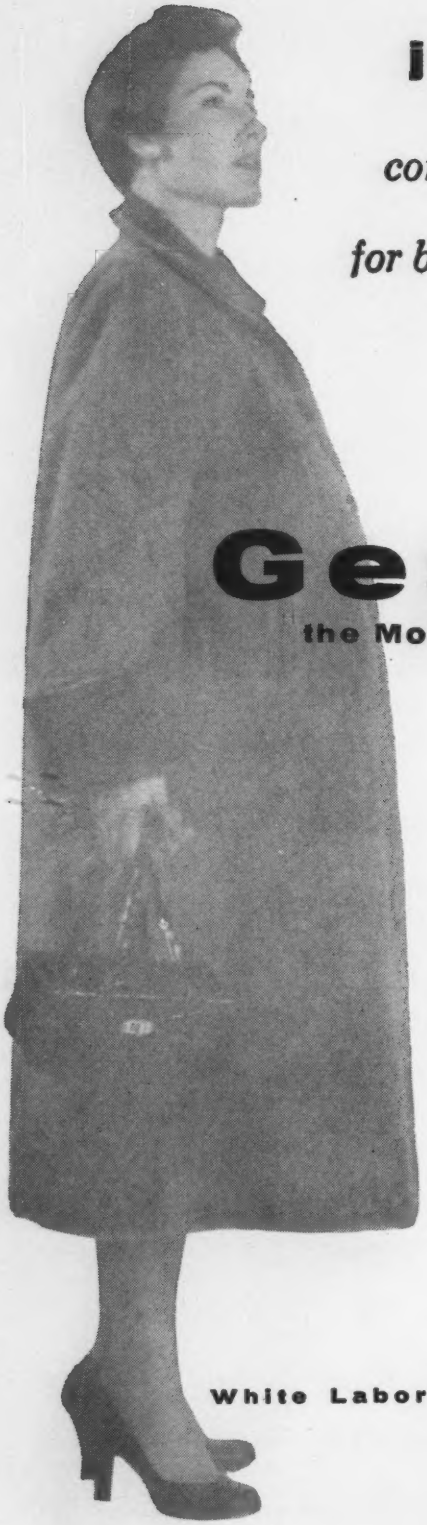

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comprehensive nutritional support

for both mother and child

throughout pregnancy with

two-a-day

Gestatabs®

the Mol-Iron® prenatal supplement

Guard against nutritional debits in your pregnant patients by prescribing Gestatabs.

Prevent iron deficiency anemias with well-tolerated Mol-Iron

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Forestall neonatal prothrombin deficiency with vitamin K

Improve over-all nutritional status with optimal amounts of vitamins A, C, D, B_{12} and B Complex

Recommend the convenient monthly package of 60 tablets.

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℞ Mol-Iron® with Calcium and Vitamin D. Therapeutic amounts of iron, plus ample amounts of Vitamin D and phosphorus-free calcium.

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"The Troublesome Vagina"

. . . A vexing problem, as evidenced by the voluminous literature and multitude of treatment suggested and recommended by capable clinicians. Review this literature . . . and numerous are the therapeutic agents, many of very recent vintage, for treating vaginitis and cervicitis as well as to prepare the vagina for minor and major surgical procedures. It is true that careful screening assures you that your patient will not be subjected to chemicals that do more harm than good.

Seemingly-new concepts are constantly being presented as broadening medical management. Some of these new-fangled ideas are established rationally . . . but just how new are they?

Serious reconsideration of the rationale of one product, AVC improved, *accepted*, and in ever-expanding use for over 12 years, shows that the best of these ideas have long been in use by the medical profession.

What are some of the elements of this communications assault?

"surface-active explosive"
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AVC's 9-AMINOACRIDINE PROVIDES THIS

"buffered vaginal pH"
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"mucous digestion"
AVC's ALLANTOIN AIDS THIS ACTION

"pathogen killing power"
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AVC's MUTUALLY SUPPORTIVE ALLANTOIN-SULFANILAMIDE 9-AMINOACRIDINE PROVIDES THIS

"RESTORATION OF VAGINAL MUCOSA" . . . is a promise never omitted. It is usually accomplished in some indirect fashion.

Always, it is recognized as basic to prevention of recurrence. AVC's remarkable score on this point which you have undoubtedly recognized (witness its increasing acceptance these 12 years) is due in large measure to the presence of the tissue restorative agent allantoin.

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AVC Improved is supplied in 4 oz. tubes with or without an applicator.

A PRODUCT OF ORIGINAL RESEARCH

THE NATIONAL DRUG COMPANY PHILADELPHIA 44, PA.

CONTENTS FOR JANUARY, 1956

Original Communications

(Continued on page 8)

CONTENTS (*Continued from page 6*)

(See page 40 for Editorial and Business Communications)

American Journal of Obstetrics and Gynecology

Editors: HOWARD C. TAYLOR, JR., and WILLIAM J. DIECKMANN

not all prenatal supplements increase blood calcium levels

By their very nature, calcium phosphate supplements tend to deplete rather than increase calcium blood levels. New evidence[1-5] shows that due to calcium phosphorus antagonism, the amount of utilizable calcium may actually be depressed, leaving blood levels lower than before ingestion.

a phosphate-free calcium

To avoid unwitting ionic calcium depletion, Calcisalin provides calcium in the usable form of calcium lactate. It also supplies aluminum hydroxide gel to help remove excess dietary phosphorus.

a complete prenatal supplement

Designed for routine use throughout pregnancy, Calcisalin assures vitamin and mineral benefits.

The daily dose of Calcisalin provides:

- *phosphate-free calcium lactate*
- *phosphorus-eliminating aluminum hydroxide*
- *vitamins and iron as recommended for pregnancy*

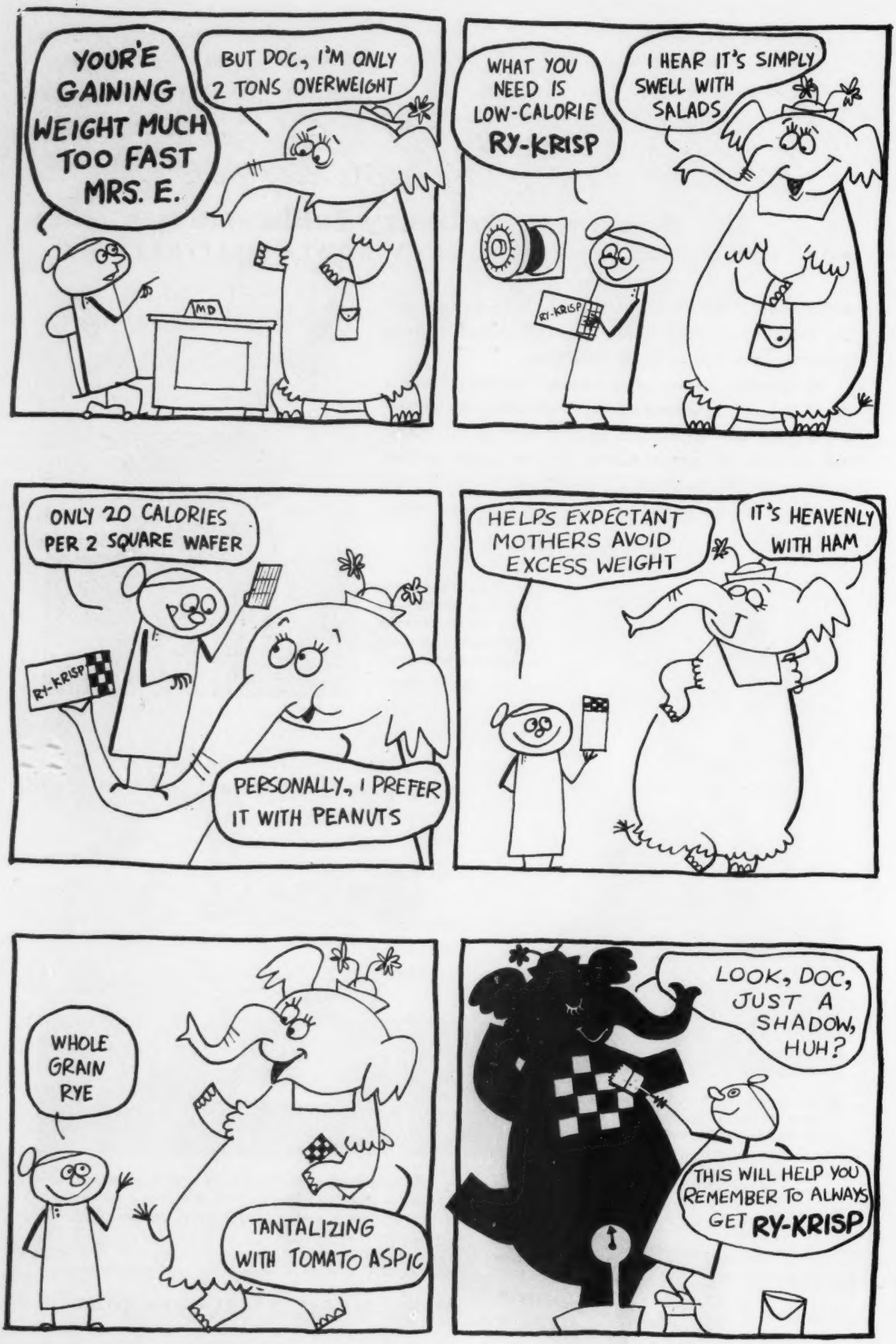
Dosage: Two tablets 3 times a day.

Available in bottles of 100 and 300.

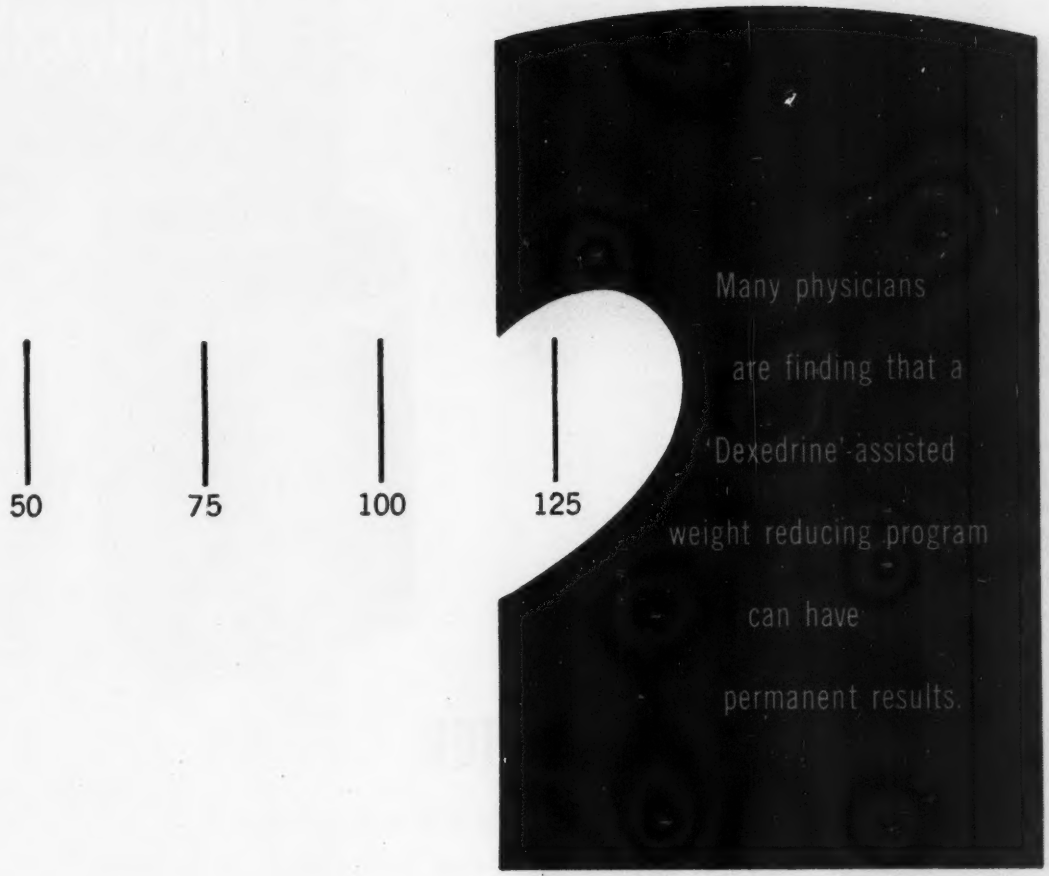
References: 1. Illinois M. J. *105*:305 (June) 1954. 2. Obstet. & Gynec. *1*:94 (Jan.) 1953. 3. Bull. Margaret Hague Maternity Hosp. *6*:107 (Dec.) 1953. 4. Missouri Med. *51*:727 (Sept.) 1954. 5. J. Michigan State M. Soc. *53*:862 (Aug.) 1954.

Calcisalin®

WARNER-CHILCOTT



DOCTOR, RY-KRISP'S LOW CALORIE CONTENT HELPS EXPECTANT MOTHERS AVOID EXCESS WEIGHT.

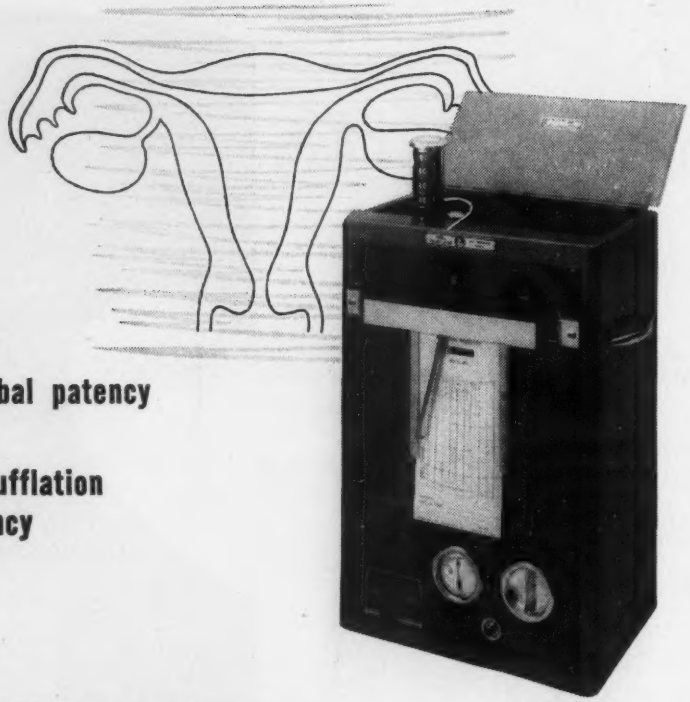


'Dexedrine' not only curbs appetite during weight reduction therapy, but also helps maintain weight loss. While on 'Dexedrine' therapy, the patient becomes accustomed to a lowered food intake. When 'Dexedrine' is withdrawn, the adjustment to new eating habits made with 'Dexedrine' ordinarily persists.

Dexedrine* Sulfate
(dextro-amphetamine sulfate, S.K.F.)
Tablets • Elixir • Spansule† capsules

made only by
Smith, Kline & French Laboratories, Philadelphia
first ⧗ in sustained release oral medication

*T.M. Reg. U.S. Pat. Off.
†T.M. Reg. U.S. Pat. Off. for sustained release capsules, S.K.F.
Patent Applied For



Whether testing
to determine tubal patency

or repeating insufflation
to improve patency

the new

KIDDE KYMO INSUFFLATOR

provides precise records of pressure variations

Oscillation patterns are easy to read and compare from rectangular graphs. Accuracy is assured by positive electrical control of graph during insufflation.

SAFE AND SIMPLE The Kidde Kymo Insufflator is charged in seconds from a disposable, hermetically sealed cartridge of CO_2. Automatic controls limit the quantity of gas released into the tubes to 100 cc. Maximum pressure is limited by gravity controls to 200 mm. Hg. Rate of flow for each patient is regulated by a single finger-tip control and constantly revealed by the Flow Meter. Pure, filtered carbon dioxide is promptly absorbed by the patient—with no risk of emboli.

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Ask your dealer to demonstrate or write for information to

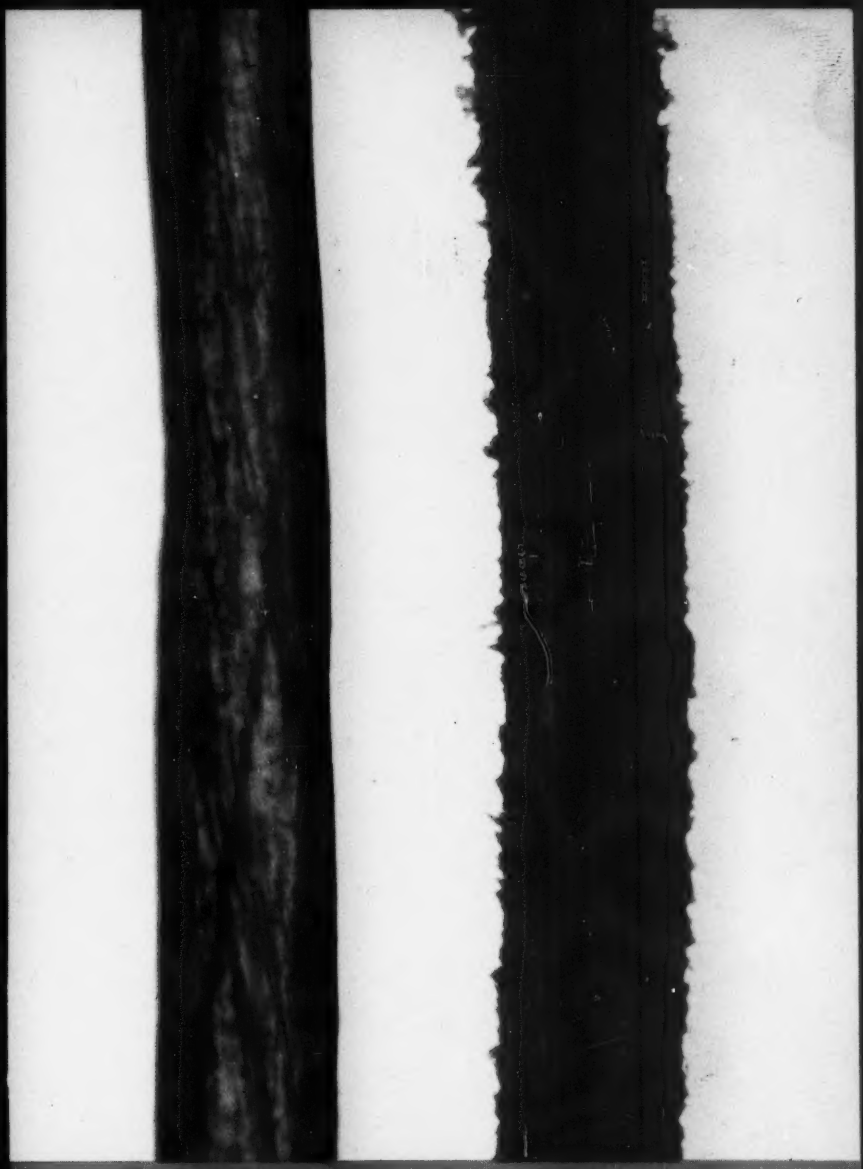
KIDDE MANUFACTURING COMPANY
Bloomfield, New Jersey
Kidde, Trademark Reg. U.S. Pat. Off.

The new model
KIDDE KYMO INSUFFLATOR
is compactly designed and portable.
Weight—25 lbs.
Size—8" x 11" x 17"

The most completely safe instrument for tubal insufflation available

Research shows why D & G gut is stronger

PHOTOMICROGRAPHY SEES WHAT THE HAND CANNOT FEEL



Photomicrographs (unretouched) by E. J. Thomas, Stamford Laboratory of the Research Division of the American Cyanamid Company, Stamford, Conn.

Method used: dark field, transmitted bright field illumination, 120 x
Material used: medium chromic gut, size 5-0.

D & G gut

Photomicrograph shows the smooth surface of D & G SURGICAL GUT, with practically no fraying or roughness. *Reason:* Carefully controlled slitting of plies plus uniform twisting provides a smooth, well-bonded strand. No need to grind it to size. Gentle polishing gave the matte finish. *Result:* the full natural strength of each gut ribbon (ply) is preserved; the strand is not frayed by grinding.

Another leading gut

Photomicrograph reveals rough, frayed surface of another leading brand of gut. This has been ground to size. Gut processed in this way appears very uniform in diameter to the naked eye. But the photomicroscope reveals serious imperfections which may cause fraying and loss of strength when the knot is tied.

see exhibit on next page

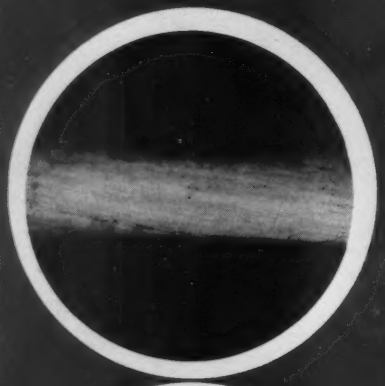
SUTURES AND OTHER D&G SURGICAL SPECIALTIES

DAVIS & GECK INC.

A UNIT OF AMERICAN Cyanamid COMPANY

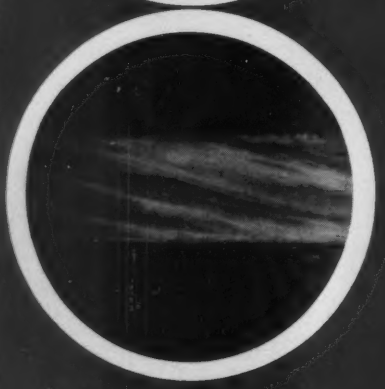
DANBURY, CONNECTICUT

Photomicrography shows why D & G gut is more flexible



D & G GUT

Firm, even cohesion of plies is apparent in this photomicrograph of a D & G SURGICAL GUT suture. **Reason:** plies were twisted into a strand before suture was chromicized. Natural cohesive forces of moist untreated collagen firmly bond the plies together and hold the twist. **Result:** under stress, plies of the suture hold together. The D & G gut is more flexible and knot strength is greater.



ANOTHER LEADING GUT

Photomicrograph detects separate and distinct plies in a strand of another leading brand of surgical gut. Here each ply was chromicized before they were twisted into suture strands. Such "ribbon chromicizing" hardens the surface of each ply, decreasing the natural bonding action, lowering the flexibility and tensile strength of the suture.

Photomicrographs (unretouched) by E. J. Thomas, Stamford Laboratory of the Research Division of the American Cyanamid Company, Stamford, Conn.

Method used: dark field, reflected illumination, focus on crest of surface, 32 x. Material used: medium chromic gut, size 00.

see exhibit on previous page

SUTURES AND OTHER SURGICAL SPECIALTIES

DAVIS & GECK INC.

A UNIT OF AMERICAN Cyanamid COMPANY

DANBURY, CONNECTICUT

Announcing

a new medical motion picture

"The Value of Succinylcholine Chloride in Electroconvulsive Therapy and Laryngospasm"

demonstrating the effect of Quelicin during electroconvulsive therapy

from a sequence of unusual endoscopic shots showing the control of laryngospasm by Quelicin

in two versions: with sound, 12 minutes; silent, with subtitles, 25 minutes

16 MM full color

by
George J. Thomas, M.D.
Raymond L. Rau, M.D.
Robert J. Hudson, M.D.
of
St. Francis General Hospital and Rehabilitation Institute of University of Pittsburgh School of Medicine

with endoscopic scenes through the courtesy of, and based on the original work presented by:
E. J. Fogel, M.D.
J. C. McClowery, M.D.
Veterans Administration Hospital Leech Farm Road, Pittsburgh
and
K. H. Hinderer, M.D.
University of Pittsburgh School of Medicine

Shows electroconvulsive therapy with and without the use of amnesic and muscle relaxant agents. Use of Pentothal Sodium (thiopental sodium, Abbott) to accomplish light anesthesia and amnesia of the event, as well as the use of Quelicin Chloride (succinylcholine chloride, Abbott) to reduce the convulsive contracture of skeletal muscles.

Abbott

This film is available without charge. Please give choice of three dates... name and address of the person to whom it should be sent... the group to whom it will be shown... and your own name, title and address. Write to PROFESSIONAL SERVICES, ABBOTT LABORATORIES, NORTH CHICAGO, ILLINOIS.

prescribe a full measure of comfort for anorectal patients with

DESITIN®

hemorrhoidal SUPPOSITORIES with cod liver oil

In boxes of 12 foil-wrapped suppositories

samples yours for the asking

DESITIN SUPPOSITORIES quickly soothe, protect, lubricate the distressed anorectal mucosa to provide.....

- **gratifying comfort in hemorrhoids** (non-surgical)
- **rapid, sustained relief of pain, itching and spasm without styptics, local anesthetics or narcotics, therefore do not mask serious rectal disease**
- **reduced engorgement, bleeding • safe, conservative**

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patients appreciate consideration of feminine daintiness in a . . . vaginal douche

CLEAN-UP AFTER ANTIBIOTICS
. . . helps restore the normal vaginal pH and encourage growth of the normal vaginal flora.

LOW pH RETENTION
. . . buffered to maintain a pH of 3.5 to 4.5 over prolonged periods.

LOWER SURFACE TENSION
. . . penetrates and cleanses folds of the vaginal mucosa.

CLEAN, REFRESHING ODOR
. . . acceptable to the most fastidious.

Massengill Powder

in feminine hygiene

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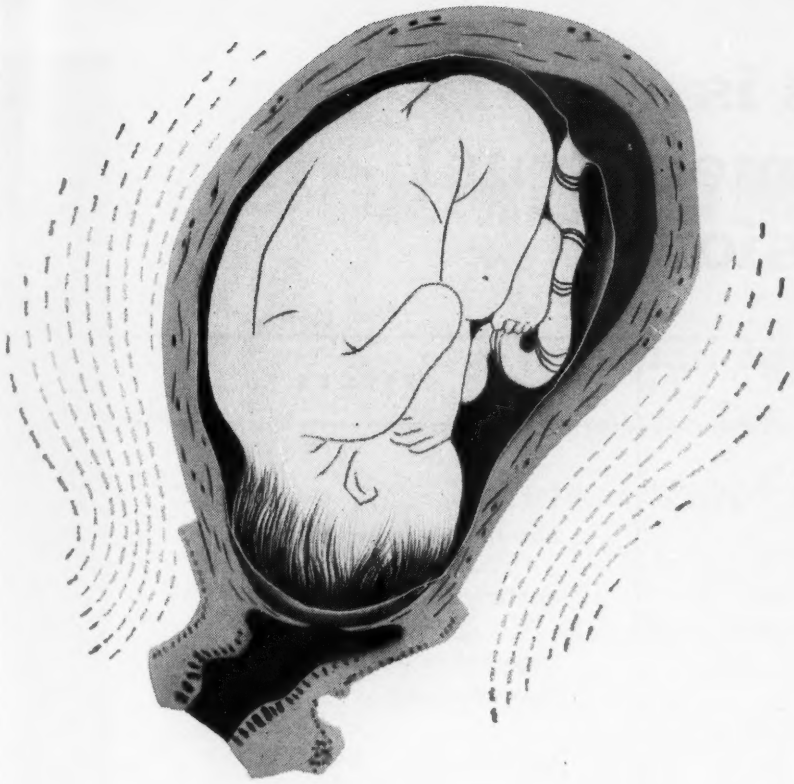
generous sample on request ● **THE S. E. MASSENGILL COMPANY** Bristol, Tennessee



produces contractions

*clinically identical to normal, strong, physiological labor"**

PITOCIN®

AN OXYTOCIC OF CHOICE

PITOCIN is widely used in obstetrics because of its physiologic effect on uterine musculature. In addition, the fact that it is notably free from vasopressor action is often a significant advantage. Intravenous administration of diluted **PITOCIN** in emergencies makes possible ready control of dosage and response.

PITOCIN is valuable in treatment for primary and for secondary uterine inertia, for postpartum hemorrhage due to uterine atony, for the third stage of labor, for induction of labor, and during cesarean section to facilitate suturing the uterine wall.

*Kaufman, R. H.; Mendelowitz, S. M., & Ratzan, W. J.: *Am. J. Obst. & Gynec.* 65:269, 1953.

PITOCIN (oxytocin injection, Parke-Davis) is supplied in 0.5-cc. (5-unit) ampoules, and in 1-cc. (10-unit) ampoules, in boxes of 6, 25, and 100. Each cc. contains 10 international oxytocic units (U.S.P. units).

MEDICAMENTA VERA · PD Co.

Parke, Davis & Company

DETROIT, MICHIGAN

this is premenstrual tension...

ITS CAUSES	ITS EFFECTS
(a) periodic overproduction of pituitary antidiuretic hormone (ADH) leading to increased antidiuretic activity (b) psychogenic factors, concomitants of menstruation	abnormal water retention electrolyte imbalance disturbed carbohydrate metabolism (hypoglycemia) nervous system lability

ITS SYMPTOMS	ITS EFFECTIVE TREATMENT
weight gain • abdominal bloating breast tenderness weakness and fatigue mental dullness • depression vertigo • irritability anxiety • palpitation abdominal pain thigh pain • headache	**PAMBROMAL** Each tablet contains: Pamabrom (to neutralize the action of ADH) 50 mg. Dextro-amphetamine sulfate (to elevate the mood) 2.5 mg. Carbromal (to relax tension) 130 mg. Salicylamide (to relieve pain) 250 mg.

Whittier

WHITTIER LABORATORIES • CHICAGO 11, ILLINOIS

this is
PAMBROMAL...

a new and specific treatment for premenstrual tension...

1. neutralizes the antidiuretic hormone

	Subject 1	Subject 2	Subject 3
Diuresis without pamabrom	106 cc.	275 cc.	210 cc.
Diuresis with pamabrom (100 mg.)	950 cc.	980 cc.	1200 cc.

This is how pamabrom (an ingredient of Pambromal) promotes diuresis. Subjects were given 1000 cc. of water and injected with antidiuretic hormone (pitressin). When pamabrom was administered, the water-retaining effect of the antidiuretic hormone was almost completely neutralized.

(Bickers, W., and Woods, M.: New England J. Med. *245*: 453, 1951)

2. controls nervous system lability

Pambromal contains both dextro-amphetamine sulfate and carbromal, a reliable sedative. In addition to controlling fluid retention, Pambromal thus provides efficient sedative and antidepressant actions. Irritability, anxiety, and fatigue are counteracted. Tensions are relaxed and a sense of cheerful well-being is established.

3. relieves pain more effectively

Pambromal contains salicylamide, a time-tested and proven analgesic considerably more potent than other salicylates.

controls...fluid retention...anxiety-tension...pain...

PAMBROMAL® TABLETS

Bottles of 24 and 100.

...In antibiotic therapy are revealed by current reports on

Tetracyn®

—Pfizer-discovered tetracycline

BRAND OF TETRACYCLINE

Tetracycline is notable among broad-spectrum antibiotics for its solubility and stability. And, clinical trials have established that tetracycline is an efficient antibiotic against those diseases due to susceptible microorganisms.

Now available with the best taste in broad-spectrum therapy

Tetrabon*

BRAND OF TETRACYCLINE

*homogenized mixture

Newest liquid form; unusual fruit flavor; standardized at Pfizer Laboratories. Each 5 cc. teaspoonful supplies 125 mg. tetracycline. Bottles of 2 fl. oz., packaged ready to use.

Pfizer

PFIZER LABORATORIES, Division, Chas. Pfizer & Co., Inc., Brooklyn 6, N. Y.

A Laboratory and Clinical Report on Adrenosem® Salicylate

(BRAND OF CARBAZOCHROME SALICYLATE)

History

The first investigation of a hemostat with an action comparable to Adrenosem Salicylate was made by Derouaux and Roskam[1] in 1937. They reported that an oxidation product of adrenalin, adrenochrome (which has no sympathomimetic properties), has prompt hemostatic activity.

It was further found that various combinations of adrenochrome, notably the oxime and semicarbazone, produced stable solutions. But, these were so slightly soluble that sufficient concentration could not be obtained for practical therapeutic use. By combining these adrenochrome compounds in a sodium salicylate complex a stable, soluble form can be obtained. This complex has been given the generic name, carbazochrome salicylate, and is supplied under the trade name Adrenosem Salicylate.

Roskam, in his study entitled "The Arrest of Bleeding,"[2] enumerates "the drugs whose efficaciousness as hemostatics have been proved by accurate methods in experimental animals and in healthy men as well. . . . One is the monosemicarbazone of adrenochrome [Adrenosem Salicylate]."

Chemistry

Adrenosem Salicylate is a synthetic chemical. The full chemical name is adrenochrome monosemicarbazone sodium salicylate complex.

Pharmacology

Although it is chemically related to epinephrine, Adrenosem Salicylate has no sympathomimetic effects. It does not alter blood components, nor does it affect blood pressure or cardiac rate.[2-7]

(* U.S. Patent 2,581,850)

Sherber, in an early study,[3] concludes that Adrenosem Salicylate* "is a potent antihemorrhagic factor in those conditions in which the integrity of the smaller vessels is interrupted, and is superior to any similar material that is now available."

He continues, "From our experience it appears that adrenochromazone complex is indicated in preventing vascular accidents incident to hypertension; in maintaining small vessel integrity; in the preoperative preparation where oozing from a vascular bed is anticipated, as in tonsillectomies, adenoidectomies and prostatectomies; and as an adjunct in the treatment of bleeding from such surgical procedures."

Adrenosem Salicylate may be administered simultaneously (but separately) with any type of anesthetic, anticoagulant, or vitamin K and heparin.

A Unique Systemic Hemostat

Clinical investigators[2-7] are in agreement that Adrenosem Salicylate controls bleeding and oozing by decreasing capillary permeability and by promoting the retraction of severed capillary ends. It aids in maintaining normal capillary integrity by direct action on the intercellular "cement" in capillary walls. The interesting work of Fulton[8] confirms this. Adrenosem Salicylate, since it is not a vasoconstrictor, has no effect on large severed blood vessels and arterioles.

Adrenosem Salicylate is being used both prophylactically and therapeutically in thousands of hospitals, and in virtually every type of surgical procedure. It has also proved most useful in dental surgery.[7]

Owings reported on the use of Adrenosem Salicylate in controlling postoperative adenoid bleeding in 102 cases.[4] "We have used 2½ mg.

(½ ampule) intramuscularly, 15 minutes before anesthesia for children and 5 mg. (1 ampule) for adults." In only one patient did bleeding occur. Three others showed red blood from the nose and mouth. These patients "were then given 5 mg. intramuscularly, with prompt and complete control. We have also noticed that bleeding stopped more promptly on the operating table."

This is a 1% incidence of postoperative bleeding using Adrenosem Salicylate preoperatively, compared to an incidence of 10% postoperative bleeding in all cases taken from previous records, without Adrenosem Salicylate medication.

Peele reports on the use of Adrenosem Salicylate in treating 178 patients with 24 different conditions.[5] The drug was first used to control postoperative hemorrhage from the adenoid region. He adds: "The results were so dramatic that since that date [1953] Adrenosem Salicylate has been used postoperatively to reduce bleeding from all otolaryngologic and bronchoesophagolic procedures, to treat postoperative hemorrhage from the tonsil and adenoid regions, and to treat selected cases of epistaxis."

The effectiveness of Adrenosem Salicylate in controlling bleeding and oozing in 330 patients is reviewed by Bacala.[6] "Our experience of the effect of carbazochrome salicylate on 317 surgical indications and 13 obstetricogynecological conditions, has been therapeutically encouraging and successful for the control of capillary bleeding. Foremost among the cases studied were 223 tonsillectomies definitely benefited by this metabolic hemostat, making a diminution of the control incidence of posttonsillectomy bleeding of 19.8% down to 7%. It has also been found useful in gastro-intestinal bleeding, cataract extraction, epistaxis, incisional seepage, trans-urethral prostatectomy, menometrorrhagias, cervical ooze, antepartum and postpartum bleeding, threatened abortion, and prevention of capillary hemorrhages during hedulin or dicumerol therapy."

Side Effects

All investigators concur that, at recommended dosage levels, Adrenosem Salicylate is free from toxic effects. No cumulative effects attributable to the drug have been reported.

The only side reaction noted has been a transient stinging sensation in the area of injection when Adrenosem Salicylate is used intramuscularly. As one investigator comments: "The brief discomfort which attends the injection of Adrenosem into the gluteal region has not been a significant problem in children or adults as originally anticipated."[5]

Indications

Idiopathic purpura, retinal hemorrhage, familial telangiectasia, epistaxis, hemoptysis, hematuria.

Postoperative bleeding associated with:
tonsillectomy, adenoidectomy and nasopharynx surgery;
prostatic and bladder surgery;
uterine bleeding;
postpartum hemorrhage;
dental surgery;
chest surgery and chronic pulmonary bleeding.

Dosage

For recommended dosage schedules, please send for detailed literature.

Supplied

Ampuls: 5 mg., 1 cc. (package of 5).
Tablets: 1 mg. S.C. Orange, bottles of 50.
Tablets: 2.5 mg. S.C. Yellow, bottles of 50.
Syrup: 2.5 mg. per 5 cc. (1 tsp.), 4 ounce bottles.

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7. Riddle, A.C. Jr.: Adrenosem Salicylate: A Systemic Hemostat, Oral Surg., Oral Med., Oral Path. **6**:617 (June, 1955).
8. Fulton, M.D., Dept. of Biology, Boston University: Personal Communication.

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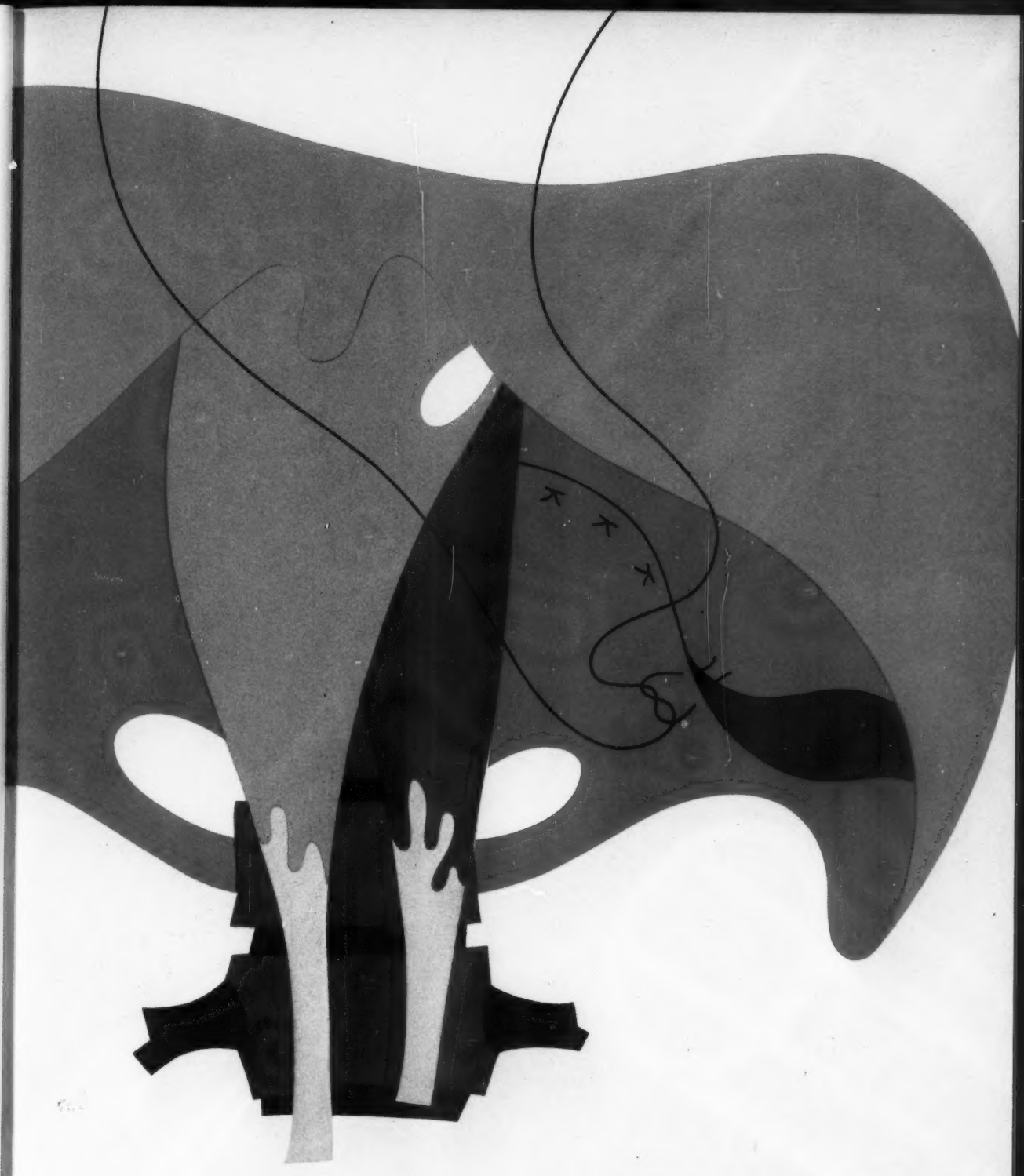

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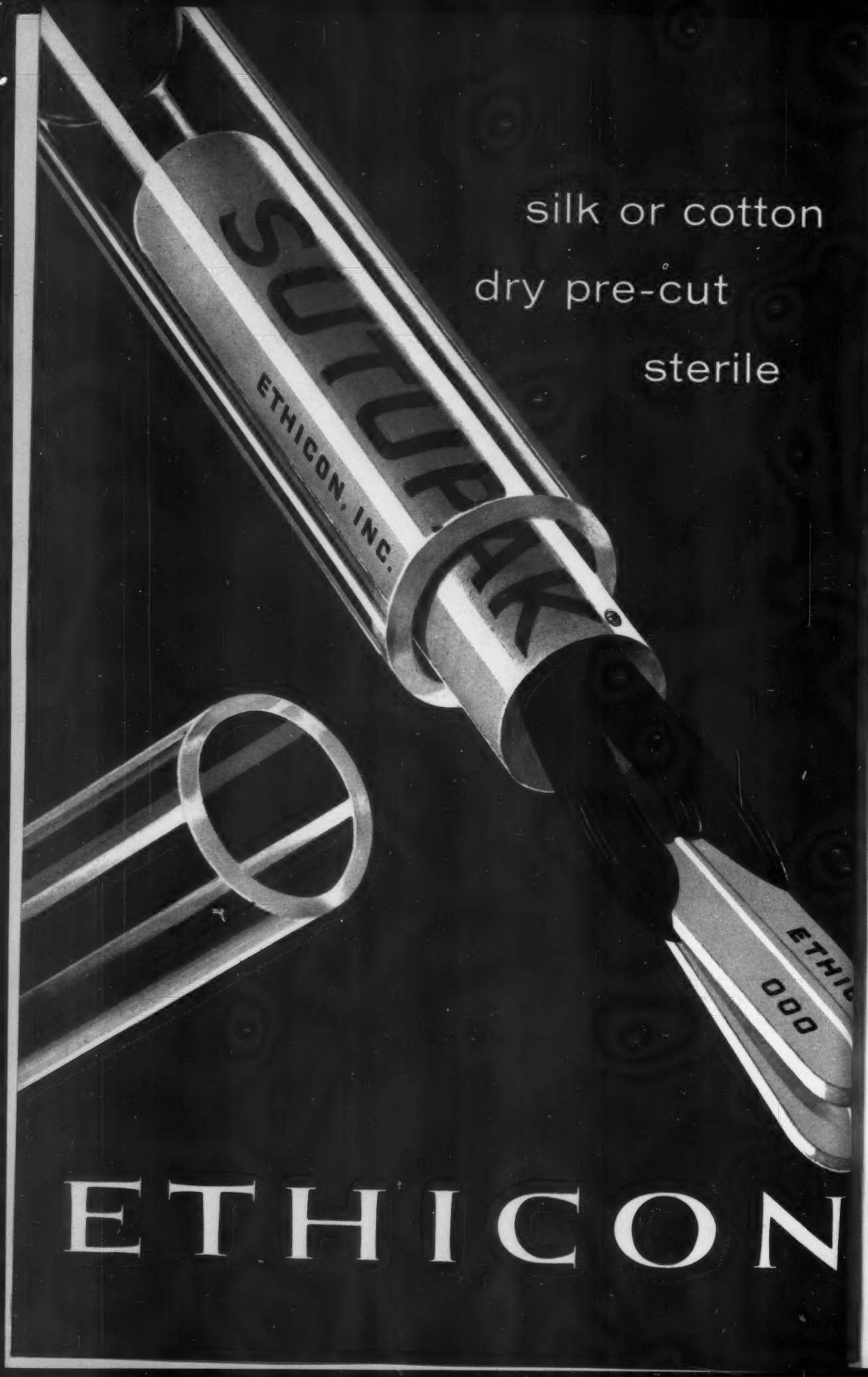
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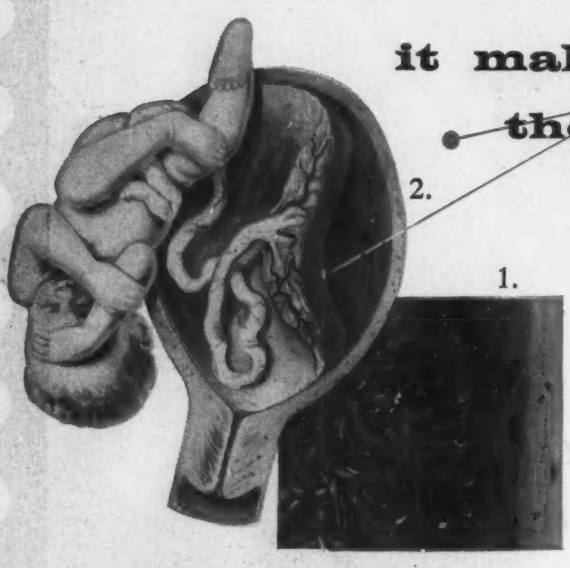

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REFERENCES

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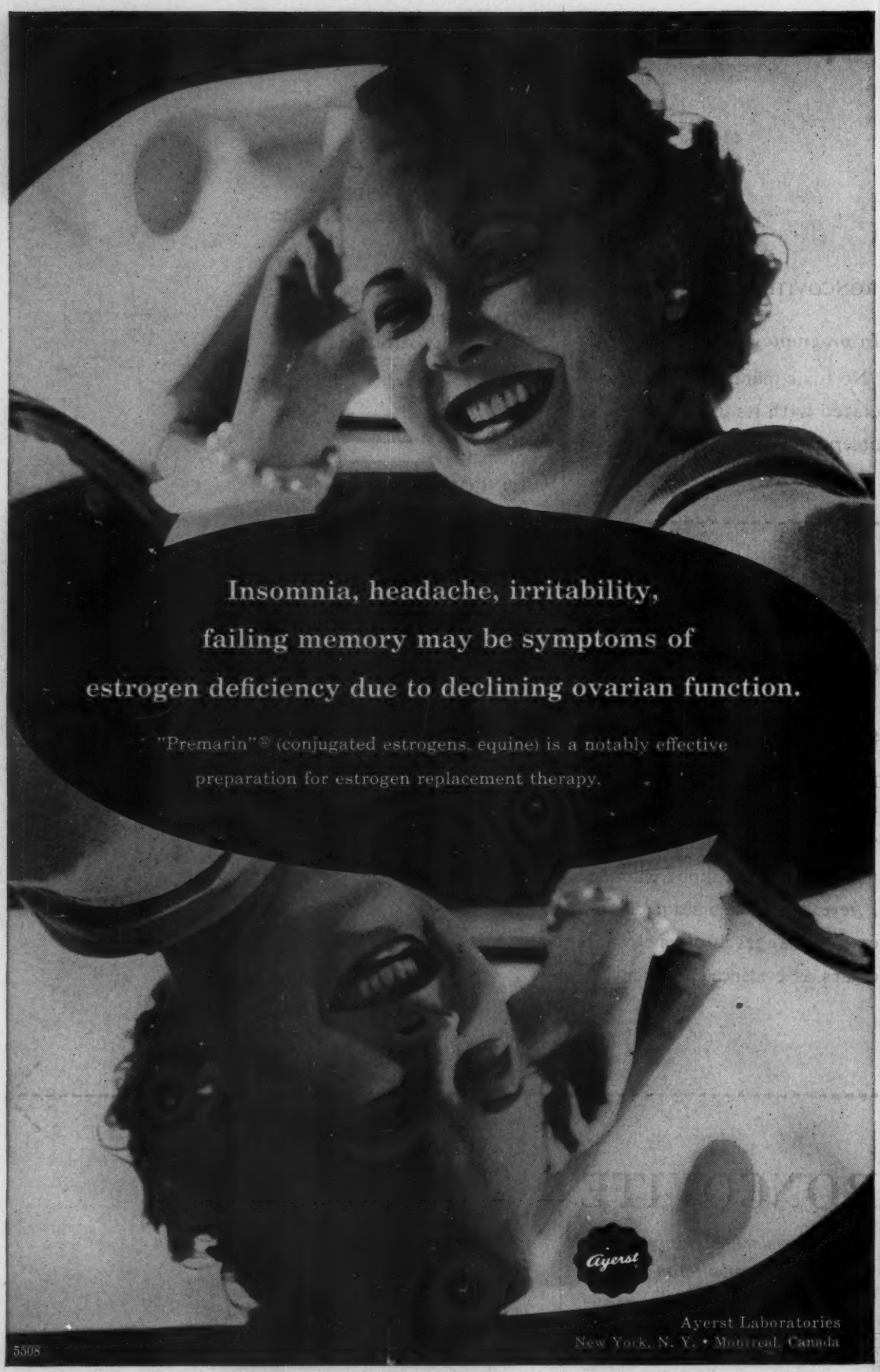
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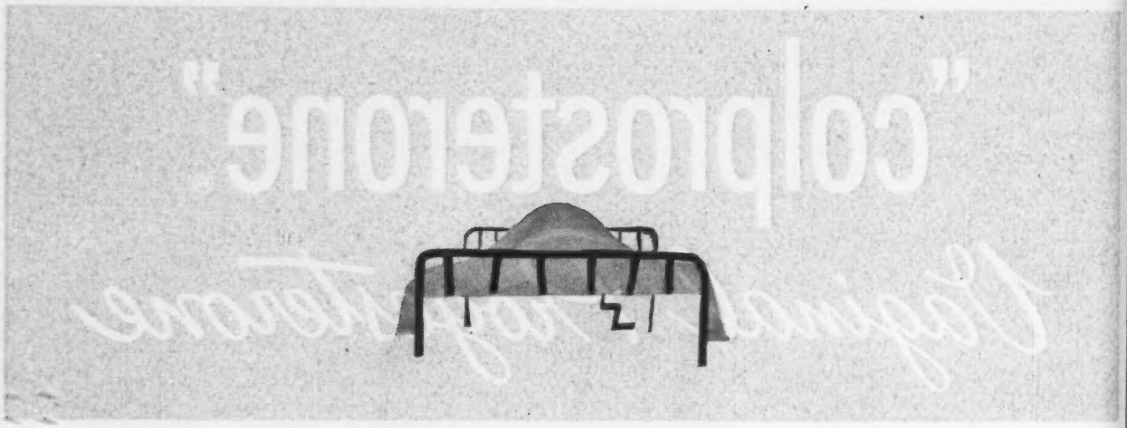

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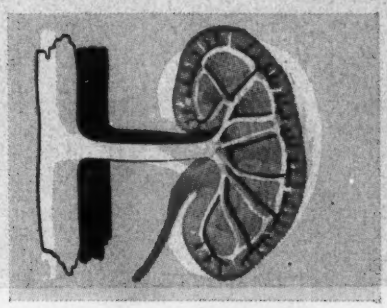

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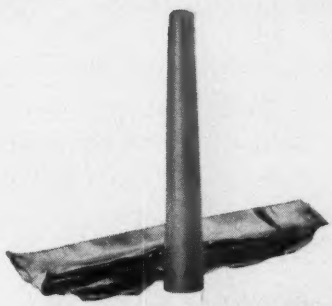

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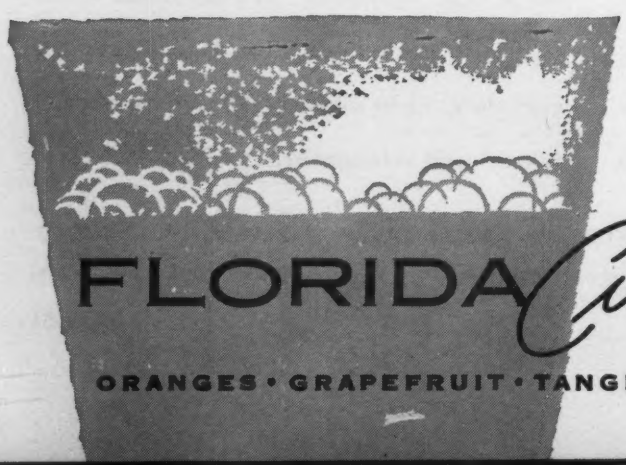

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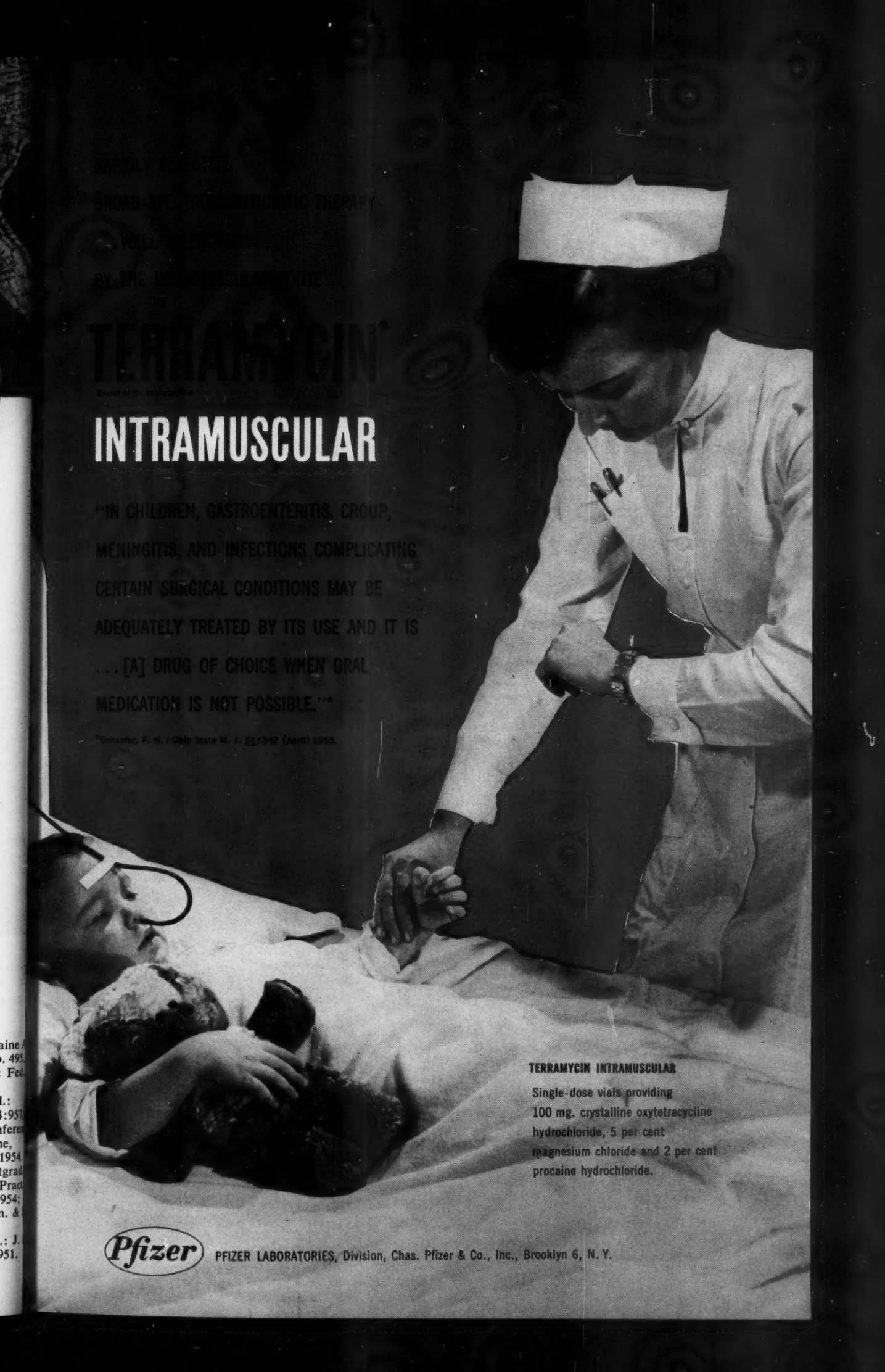
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Complete information may be obtained by writing to Ayerst Laboratories, 22 East 40th Street, New York 16, N. Y.

1. Doyle, J. C.: Urol. & Cutan. Rev. *55*:618 (Oct.) 1951. • 2. Hamblen, E. C., in Stieglitz, E. J.: Geriatric Medicine, ed. 2, Philadelphia, W. B. Saunders Company, 1949, p. 657. • 3. Doyle, J. C.: California Med. *71*:15 (July) 1949.

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